DAVI®

EXCELLENCE IN FORMING

www.davi.com

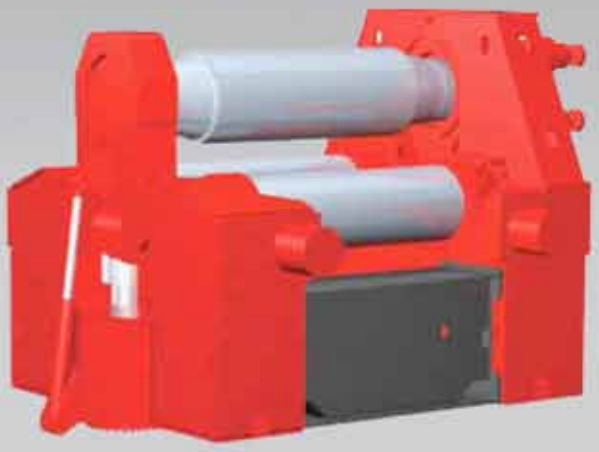
MAV

3 roll DIGITAL

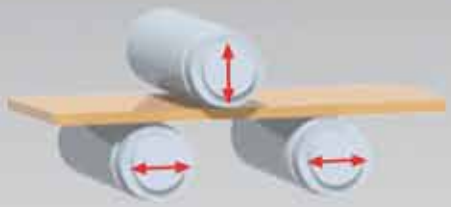
DAVI
EXCELLENCE IN FORMING

SOLID, COMPACT AND MOST ADVANCED TECHNOLOGY
For the best productivity

THE NEW CONCEPT OF QUALITY AND PERFORMANCE



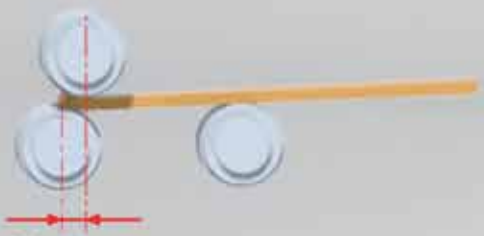
INDEPENDENT ROLL MOVEMENTS



The side rolls geometry allows for an individual horizontal alignment, either symmetric or asymmetric. The top roll moves vertically up and down.

All three rolls move independently one from the other. (AND ALL ARE POWER DRIVEN)

MINIMUM GAUGE

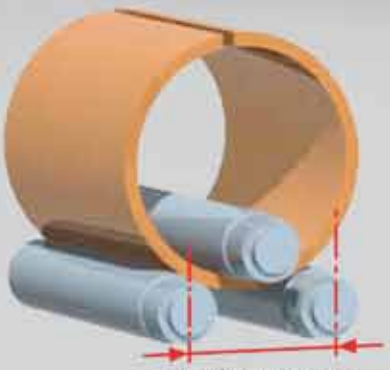


minimum gauge

The minimum adjustable gauge allows to pre-bend with the minimum flat end, increasing the quality of the finished can.

BEND THICKER

A new innovative large geometry, allows to bend thicker cans opening the rolls at maximum gauge, working similar to a press-brake die. It's then possible to increase the bending thickness.



maximum gauge

THE BEST SOLUTION

The DAVI MAV is the first plate roll equipped with 3 DRIVEN ROLLS as a standard feature.
Each roll, during the rotation, applies full torque to the plate.
It's a huge benefit to get the highest precision on the finished cans.

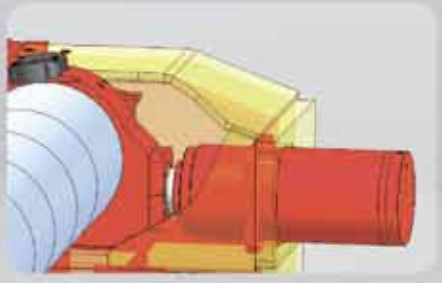
STRONGER, PRECISE AND MORE RELIABLE...
...New DAVI MAV Plate Roll!

SYMMETRICALLY BALANCED LOAD OF THE TOP ROLL

The top roll is balanced by common bore hydraulic cylinders. This ensures a perfect balance of the applied force.

INNER FRAMES CYLINDERS

The hydraulic cylinders of the side rolls are mounted inside the frames (not outside, plenty of screws). This allows to apply the full force as the frame retains all the stress.



HEAVY CONE ROLLING

The replacement of mechanical brakes with hydraulic motor brakes allows for the two side rolls and the top roll to tilt at a high degree facilitating cone rolling of thick plates.

HOT ROLLING

The 3 roll variable axis is recommended for hot rolling. No risk of laminating as no high pinching is applied to the plates during the process.

STRONGER, PRECISE AND MORE RELIABLE...

...New DAVI MAV Plate Roll!

DAVI® EXCELLENCE IN FORMING

4000 x 200 mm

3000 x 150 mm

3500 x 160 mm

4000 x 130 mm

3000 x 180 mm

EXCELLENCE IN FORMING

SOLID, COMPACT AND MOST ADVANCED TECHNOLOGY
For the best productivity

4000 x 230 mm

4000 x 150 mm

3000 x 160 mm

4000 x 300 mm

EXCELLENCE IN FORMING

SOLID, COMPACT AND MOST ADVANCED TECHNOLOGY
For the best productivity

With 50 years of competence and experience, we engineered an innovative plate roll geometry, with the following advantages:

- The absolute most compact and sturdy design
- Generally increased performances
- Increased life span of the main components, less stressed
- Shallow pits or no pit at all, providing a less expensive solution
- The lowest maintenance need in the plate roll industry

DAVI
DAVI

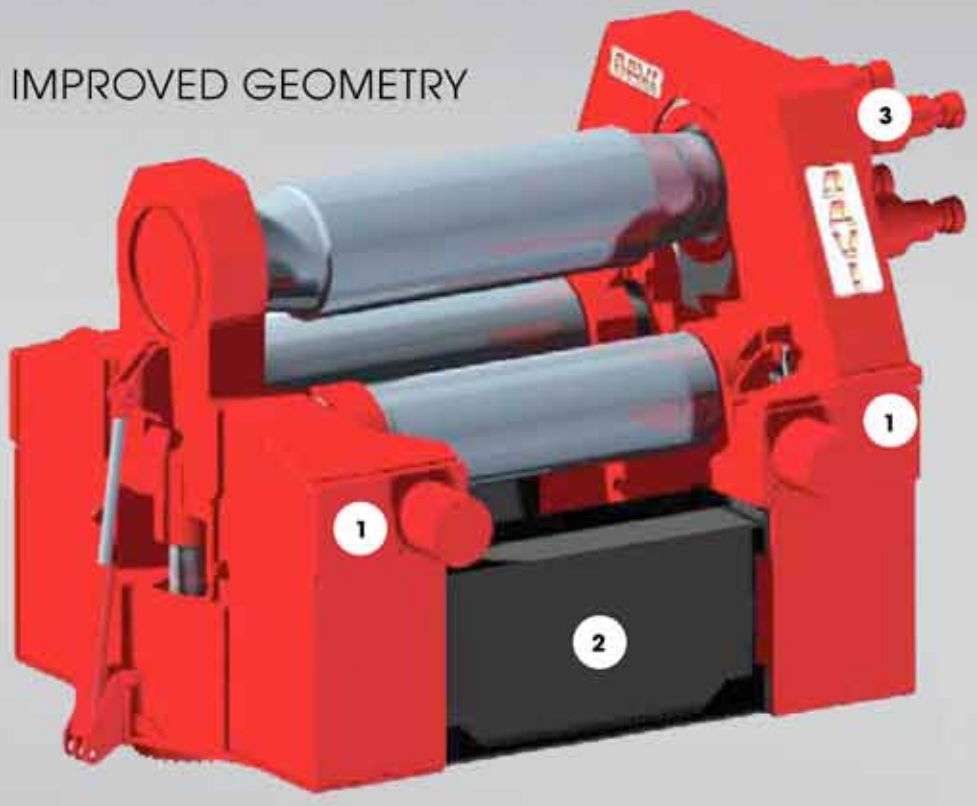
STRONGER,
PRECISE,
RELIABLE:
DAVI MAV
PLATE ROLL

STRONGER, PRECISE AND MORE RELIABLE...

...New DAVI MAV Plate Roll!

DAVI
EXCELLENCE IN FORMING

NEW IMPROVED GEOMETRY



1 = New Improved frames

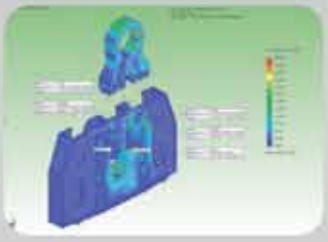
2 = New "H" intra-frames base design

3 = New coupling on top roll

DAVI
EXCELLENCE IN FORMING

SOLID, COMPACT AND MOST ADVANCED TECHNOLOGY
For the best productivity

KNOW-HOW
DAVI engineering has 50 years of technological experience in the heavy plate rolling industry.



DAVI UTMOST LEVEL OF QUALITY CONTROL
100% Made in Italy, total quality management (ISO 9001)

READY FOR IMMEDIATE DELIVERY
Dozens of machines (often more than 100), even those for heavy industries, are finished and ready for immediate delivery.
As the production is determined not only on orders received, but for its own inventory, DAVI can offer THE SHORTEST DELIVERY TIME.

STRONGER, PRECISE AND MORE RELIABLE...
...New DAVI MAV Plate Roll!

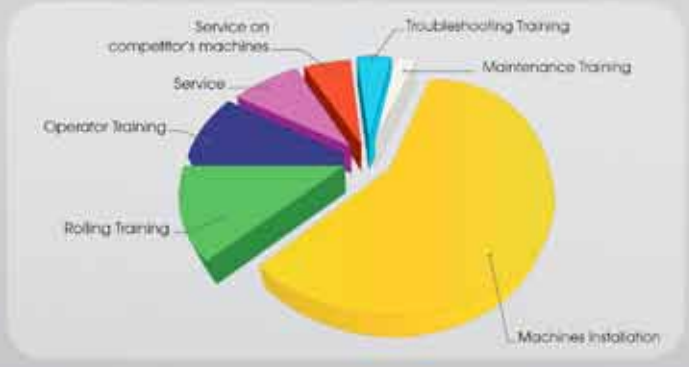
DAVI
EXCELLENCE IN FORMING

THE ONLY CUSTOMER CARE IN ROLLING INDUSTRY

Customer care satisfaction is the DAVI way to conduct business.
Performed by professional, experienced, and specialized customer care Training Team:

16 qualified and dedicated service engineers worldwide

DAVI Customer Care provides the following services:



11.000 PARTS ON SHELF

More than 11.000 parts are available on shelf, in one of the largest Logistic Center of the fabricating machine industry, are used for machines production or, if needed, as spare parts, to be shipped **ON SAME-DAY BASIS** to our clients.

DAVI iRoll: MAKES IT ALL!

DAVI provides 3 and 4 roll plate rolls with capacity in thickness up to 400 mm and in width up to 12 mt, suitable for any application. Plate rolls can be equipped with many different accessories, to provide the most ergonomic and productive solutions, such as: in-feed conveyors, front, side and vertical supports for large diameters. **DAVI** provides the most advanced **AUTOMATION**, with software from the simplest to the most highly technical state of the art systems for plate rolls.

DAVI products portfolio includes high quality angle rolls, the ideal machine for any type of beams, sections and pipes, especially the heaviest.

DAVI partner

ARCENT

ARCENT (SINGAPORE) PTE LTD
15,Yishun Industrial Street
Win 5 #01-28
Singapore 768091

Tel: +65 6356 6997
sales@arcentwelding.com
www.arcentwelding.com

DAVI®
EXCELLENCE IN FORMING

UCIMU

PROMAU S.r.l.
Via Civinelli 1150 | 47522 Cesena (FC) ITALY
Tel. +39 0547 319611 | Fax +39 0547 317850
davi-sales@davi.com | www.davi.com